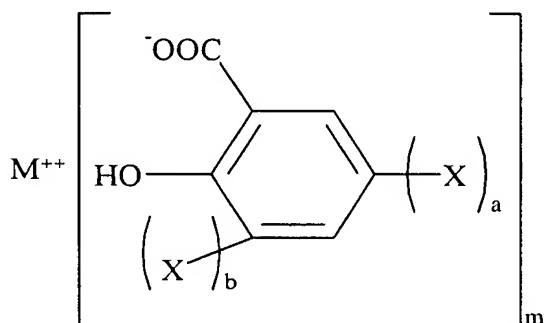


# **METAL-CONTAINING NEUTRAL AND OVERBASED SALICYLATES BASED ON STYRENATED SALICYLIC ACID**

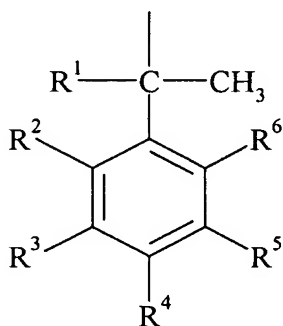
## **ABSTRACT OF THE DISCLOSURE**

An engine oil is disclosed that comprises a lubricating oil, and an overbased alkaline earth salicylate detergent of the structure:



wherein:

X is



R<sup>1</sup> is selected from the group consisting of hydrogen, substituted or unsubstituted alkyl, and substituted or unsubstituted aryl;

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$R^2$ ,  $R^3$ ,  $R^4$ ,  $R^5$ , and  $R^6$  are independently selected from the group consisting of hydrogen, X, and innocuous functional groups;

a and b are independently selected integers  $\geq 0$  and  $a + b \geq 8$ ;

m is 2; and

5 M is an alkaline earth metal.